

WHAT IS CLAIMED IS:

- 5 <sup>sub</sup> B, 1. A data processing method comprising:  
a reception step of receiving a request for data  
loading from a terminal;  
an end discrimination step of discriminating  
whether the generation of requested data has ended;  
a first transmission step of transmitting the  
requested data if the generation thereof has ended;  
an estimation step of estimating an end time if  
10 the generation of the requested data has not ended; and  
a second transmission step of transmitting the  
estimated end time together with display information  
indicating that the data generation is in progress.
- 15 2. A data processing method according to claim 1,  
wherein said estimation step estimates the end time  
based on the size of the generated data.
- 20 3. A data processing method according to claim 1,  
wherein said data are result of execution of a  
predetermined process, and said estimation step  
estimates the end time based on the time required for  
executing said predetermined process.
- 25 4. A data processing method comprising:  
an issuing step of issuing a request for data  
loading to a server;

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a display step of displaying display data received in response to said request; and

a re-issuing step, in case an estimated end time for data generation is received together with said display data, of issuing again the request for data loading when said end time is reached.

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5. A data processing apparatus comprising:

reception means for receiving a request for data loading from a terminal;

end discrimination means for discriminating whether the generation of requested data has ended;

first transmission means for transmitting the requested data if the generation thereof has ended;

estimation means for estimating an end time if the generation of the requested data has not ended; and

second transmission means for transmitting the estimated end time together with display information indicating that the data generation is in progress.

6. A data processing apparatus according to claim 5, wherein said estimation means estimates the end time based on the size of the generated data.

25 7. A data processing apparatus according to claim 5, wherein said data are result of execution of a predetermined process, and said estimation means

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estimates the end time based on the time required for  
executing said predetermined process.

5           8. A data processing apparatus comprising:  
          issuing means for issuing a request for data  
          loading to a server;  
          display means for displaying display data received  
          in response to said request; and  
          control means adapted, in case an estimated end  
10       time for data generation is received together with said  
          display data, to so control said issuing means as to  
          issue again the request for data loading when said end  
          time is reached.

15           9. A computer readable storage medium storing a  
          data processing program for controlling a computer to  
          perform data processing, said program comprising codes  
          for causing the computer to perform:  
          a reception step of receiving a request for data  
20       loading from a terminal;  
          an end discrimination step of discriminating  
          whether the generation of requested data has ended;  
          a first transmission step of transmitting the  
          requested data if the generation thereof has ended;  
25       an estimation step of estimating an end time if  
          the generation of the requested data has not ended; and  
          a second transmission step of transmitting the

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estimated end time together with display information  
indicating that the data generation is in progress.

5 10. A computer readable storage medium storing a  
data processing program for controlling a computer to  
perform data processing, said program comprising codes  
for causing the computer to perform:

an issuing step of issuing a request for data  
loading to a server;

10 a display step of displaying display data received  
in response to said request; and

15 a re-issuing step, in case an estimated end time  
for data generation is received together with said  
display data, of issuing again the request for data  
loading when said end time is reached.

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